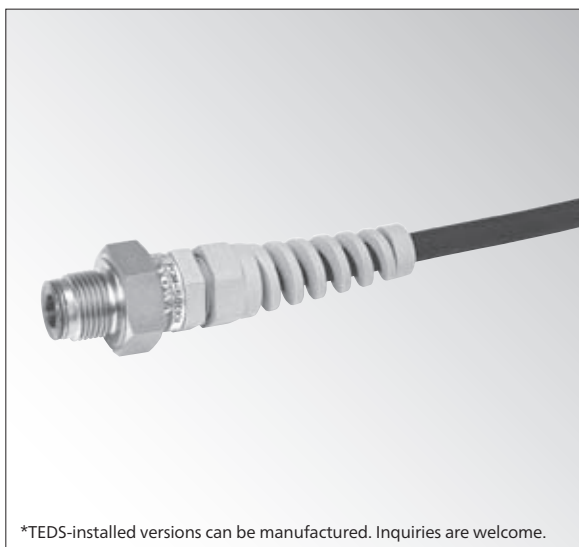


## Small-Sized Pressure Transducer



\*TEDS-installed versions can be manufactured. Inquiries are welcome.

### Compact Semiflush Diaphragm Type and Available in Various Rated Capacities

PGM-H series pressure transducers are suitable for pressure measurement in limited space. Because of a diaphragm at the end, it ensures excellent response and dynamic characteristics.

#### Specifications

##### Performance

<b>Rated Capacity</b>	See table below.
<b>Nonlinearity</b>	Within $\pm 0.5\%$ RO (PGM-5 to 20KH) Within $\pm 0.3\%$ RO (PGM-30 to 500KH)
<b>Hysteresis</b>	Within $\pm 0.2\%$ RO
<b>Rated Output</b>	1.5 mV/V (3000 $\mu\text{m/m}$ ) or more (PGM-5KH) 2 mV/V (4000 $\mu\text{m/m}$ ) or more (PGM-10 to 500KH)

##### Environmental Characteristics

<b>Safe Temperature Range</b>	-20 to 70°C
<b>Compensated Temperature Range</b>	-10 to 60°C
<b>Temperature Effect on Zero Balance</b>	Within $\pm 0.05\%$ RO/°C (PGM-5 to 20 KH) Within $\pm 0.03\%$ RO/°C (PGM-30 to 500KH)
<b>Temperature Effect on Output</b>	Within $\pm 0.02\%$ /°C

##### Electrical Characteristics

<b>Safe Excitation Voltage</b>	6 V AC or DC
<b>Recommended Excitation Voltage</b>	1 to 3 V AC or DC
<b>Input Resistance</b>	350 $\Omega \pm 2\%$
<b>Output Resistance</b>	350 $\Omega \pm 2\%$
<b>Cable</b>	4-conductor (0.3 mm <sup>2</sup> ) chloroprene shielded cable, 7.6 mm diameter by 3 m long, terminated with connector plug (Shield wire is not connected to mainframe.)

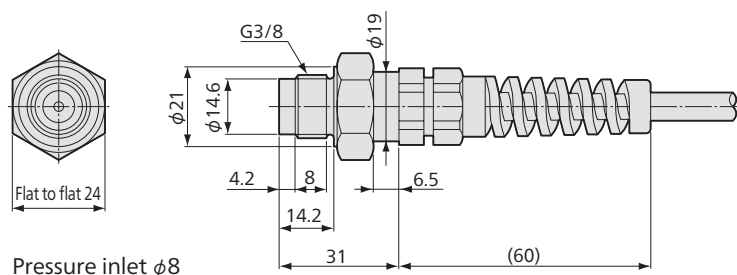
##### Mechanical Properties

<b>Safe Overload Rating</b>	150%
<b>Natural Frequencies</b>	See table below.
<b>Material</b>	Case: SUS metallic finish Liquid-contacting part: SUS 630
<b>Weight</b>	Approx. 65 g (Excluding cable)
<b>Mounting Screw</b>	G3/8, male

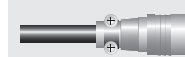
**Standard Accessories** Gasket (Mild copper)

Models	Rated Capacity	Natural Frequencies (Approx.)
PGM-5KH	500 kPa	19 kHz
PGM-10KH	1 MPa	26 kHz
PGM-20KH	2 MPa	37 kHz
PGM-30KH	3 MPa	46 kHz
PGM-50KH	5 MPa	57 kHz
PGM-100KH	10 MPa	78 kHz
PGM-200KH	20 MPa	110 kHz
PGM-300KH	30 MPa	134 kHz
PGM-500KH	50 MPa	174 kHz

#### Dimensions



Connector plug



● Physical quantity indication    ● Static measurement    ● Dynamic measurement

PGM-H  
Recommended  
products for  
combination

